

**ABSTRACT**

A transmitting circuit apparatus has a frequency modulator that performs frequency modulation of a carrier wave with frequency modulation data and outputs the frequency-modulated carrier wave; a sigma-delta modulator which performs sigma delta modulation of amplitude modulation data; and an amplitude modulator that performs amplitude modulation of the frequency-modulated carrier wave with an output signal of the sigma-delta modulator and outputs the amplitude-modulated carrier wave.

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